

Milestone_2.py X

Week_2 > Milestone_2.py >...

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1 # Robert Potter, 11/10/2025, Milestone 2
2
3 #Import random module
4 import random
5
6 #store Random Number
7 Random_Number = random.randint(1,100)
8
9 #Ask User for name and greet them
10 User_Name = input("Please enter your name: ")
11 print(f"Hello {User_Name}!, Please Guess a number between 1 and 100.")
12
13 #For loop to allow user to guess up to 6 times
14 for Guess_Attempt in range(1,7):
15     User_Guess = int(input(f"Attempt {Guess_Attempt}: Enter your guess: "))
16     #Check if the guess is too low, too high, or correct
17     if User_Guess < Random_Number:
18         print("Your guess is too low.")
19     elif User_Guess > Random_Number:
20         print("Your guess is too high.")
21     #If correct, congratulate and break the loop
22     else:
23         print(f"Congratulations {User_Name}! You've guessed the correct number {Random_Number} in {Guess_Attempt} attempts!")
24         break
25     #If user fails to guess in 6 attempts, reveal the number
26 else:
27     print(f"Sorry {User_Name}, you've used all your attempts. The correct number was {Random_Number}. Better luck next time!")
```

```
PS C:\Users\Fylin\Documents\2511SSC> & C:/Users/Fylin/AppData/Local/Python/pythoncore-3.14-64/python.exe c:/Users/Fylin/Documents/2511SSC/Week_2/Milestone_2.py
Please enter your name: robert
Hello robert!, Please Guess a number between 1 and 100.
Attempt 1: Enter your guess: 1
Your guess is too low.
Attempt 2: Enter your guess: 2
Your guess is too low.
Attempt 3: Enter your guess: 3
Your guess is too low.
Attempt 4: Enter your guess: 4
Congratulations robert! You've guessed the correct number 4 in 4 attempts!
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PS C:\Users\Fylin\Documents\2511SSC> & C:/Users/Fylin/AppData/Local/Python/pythoncore-3.14-64/python.exe c:/Users/Fylin/Documents/2511SSC/Week_2/Milestone_2.py
Please enter your name: Robert
Hello Robert!, Please Guess a number between 1 and 100.
Attempt 1: Enter your guess: 3
Your guess is too low.
Attempt 2: Enter your guess: 6
Your guess is too low.
Attempt 3: Enter your guess: 9
Your guess is too low.
Attempt 4: Enter your guess: 12
Your guess is too low.
Attempt 5: Enter your guess: 15
Your guess is too low.
Attempt 6: Enter your guess: 20
Your guess is too low.
Sorry Robert, you've used all your attempts. The correct number was 86. Better luck next time!
```